

QY 2175 CACGTGCGCCATTGTGSCAACAGCTGCCCTCACTGAACTGTGGCTTGAGCCCA 2234
 Db 1021 CAGCTCGTCATTTGTCAGAACAGCTGCCCTCACTGAACTGTGGCTTGAGCCCA 1080
 QY 2235 ACTGACCTTGGACTGTGACTGCAAGCTAGTGGCTACAGGTGGCTGAGAGAG 2294
 Db 1081 ACTGACCTTGGACTGTGACTGCAAGCTAGTGGCTACAGGTGGCTGAGAGAG 1140
 QY 2295 CCAATTGATTGGGATCTTCATATGTTATGAGATAAACAGAGATAGCTT 2354
 Db 1141 CCAATTGATTGGATCTTCATATGTTATGAGATAAACAGAGATAGCTT 1200
 QY 2355 TCGTATTCAAGAGAACAAACTGTTGCGCAATTGAGAAAGAAAGAAAGAA 2414
 Db 1201 TCGTATTCAAGAGAACAAACTGTTGCGCAATTGAGAAAGAAAGAAAGAA 1260
 QY 2415 AAAAAA 2423
 Db 1261 AAAAAA 1269

RESULT 10

ID ABK35896 standard; cDNA; 694 BP.

AC ABK35896;

XX DT 08-MAY-2002 (first entry)

XX DB cDNA sequence #287 encoding novel human secreted protein.

XX Human secreted protein; hyperproliferative disorder; autoimmune disorder; immune deficiency disorder; blood disorder; inflammatory disorder; infectious disorder; allergic condition; neurodegenerative disorder; liver fibrosis; coagulation disorder; gene therapy; antimicrobial; tumour; cancer; hepatotropic; immunosuppressive; anti-rheumatic; gene; ss. OS Homo sapiens.

XX WO20017289-A2.

XX PD 18-OCT-2001.

PP 29-MAR-2001; 2001WO-US010232.

PR 06-APR-2000; 2000US-019560P.

XX PA (GEMY) GENETICS INST INC.

XX Jacobs K, McCoy JM, Lavallie ER, Collins-Racie LA, Evans C, Wong GG, Merberg D, Treacy M, Agosino MJ, Bowman MR, Spaulding V, Resnick RJ, Gulukota K, Graham JR; DR WPI; 2002-179322/23.

XX PT Six hundred and twenty three polynucleotides derived from a variety of human tissue sources which encode secreted proteins, useful for treating immune deficiencies and disorders such as autoimmune disorders.

XX P8 Claim 1, Page 248; 393pp; English.

The present invention relates to the isolation of novel cDNA sequences which encode human secreted proteins. The cDNA sequences have been derived from a variety of human tissues. The invention also provides a method for producing proteins from these polynucleotide sequences. The proteins are useful for identifying compounds that modulate their activity and production. The sequences of the invention are useful for treating diseases such as hyperproliferative disorders (e.g. cancer), immune deficiency disorders (e.g. severe combined immunodeficiency (SCID)), autoimmune disorders (e.g. multiple sclerosis), blood disorders (e.g. thrombocytopenia), inflammatory disorders (e.g. arthritis), infectious disorders (e.g. hepatitis), allergic conditions (e.g. asthma), neurodegenerative disorders (e.g. Alzheimer's disease), liver fibrosis,

CC coagulation disorders (e.g. haemophilia), and tumours. The polynucleotide sequences of the invention are also useful in gene therapy. ABK35610-ABK3632 represent the cDNA sequences of the invention that encode for novel human secreted proteins.

CC Sequence 694 BP; 215 A; 118 C; 160 G; 201 T; 0 U; 0 Other;

CC Query Match 24 0%; Score 593; DB 6; Length 694;

CC Best Local Similarity 100.0%; Pred. No. 1.2e-88;

CC Matches 593; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

CC SQ 1 TATGGGCTTGGGAACTTGAGGAGACTACAGAACTGAGAAAGTTGGTTATGATGCTCTTGT 60

Db 102 TATGGCCTTGGGAACTTGAGGAGACTACAGAACTGAGAAAGTTGGTTATGATGCTCTTGT 161

QY 61 TGGGCTCATACATTGGGGTGTACAGAACTGAGAAAGTTGGTTATGATGCTCTTGT 120

Db 162 TGGGCTCATACATTGGGGTGTACAGAACTGAGAAAGTTGGTTATGATGCTCTTGT 221

QY 121 AAACACGAGCATTCGAGAACTGAGACTGTGGGACTTCAGAGAGCAAT 180

Db 222 AAACACGAGCATTCGAGAACTGAGACTGTGGGACTTCAGAGAGCAAT 281

QY 181 CCAGGGAGTAGGGCTGCAACTCTGGAGCTTCAACTCTGAGAGCCAT 240

Db 282 CCAGGGAGTAGGGCTGCAACTCTGGAGCTTCAACTCTGAGAGCCAT 341

QY 241 ATATCGAGAAAGAGATGAAATACCGTGTGATGAGAGACTGCTCTTGT 300

Db 342 ATATCGAGAAAGAGATGAAATACCGTGTGATGAGAGACTGCTCTTGT 401

QY 301 GGGATATCTTCATGGTCTCATCTGGACACTTCTGGAGGGCTGCAAGCAG 360

Db 402 GGGATATCTTCATGGTCTCATGGTCTCATCTGGACACTTCTGGAGGGCTGCAAGCAG 461

QY 361 TCTGTAATTCGTCGAACACAAACAAAGAGTAATGAGAGCTTGTGAGTAATTAAT 420

Db 462 TCTGTAATTCGTCGAACACAAACAAAGAGTAATGAGAGCTTGTGAGTAATTAAT 521

QY 421 ATTTGGAACTTAATTTGCTTAACTCTCTGATGAGAGCTTGTGAGTAATTAAT 480

Db 522 ATTTGGAACTTAATTTGCTTAACTCTCTGATGAGAGCTTGTGAGTAATTAAT 581

QY 481 ACTTTGATTTATGGCACATGCTGCAATTCTACTTATCTTAAAGATAATT 540

Db 582 ACTTTGATTTATGGCACATGCTGCAATTCTACTTAAATCTTAAAGATAATT 641

QY 541 TTTAATGTTAAACGTGATAATGCAAAATGAAATGTTGTTCAATT 593

Db 642 TTTAATGTTAAACGTGATAATGCAAAATGAAATGTTGTTCAATT 641

RESULT 11 *SEQUENCE COMPARISON (A)*

ID AAX97580 standard; DNA; 458 BP.

XX AC AAX97580;

XX DT 13-SEP-1999 (first entry)

XX DB Extended human secreted protein coding sequence, SEQ ID NO. 44.

XX Secreted protein; human; cytokine; cellular proliferation; cell movement; cellular differentiation; immune system regulator; anti-inflammatory; haemopoiesis regulator; tissue growth regulator; tumour inhibitor; reproductive hormone regulator; chemotaxis; chemokinesis; gene therapy; genetic disease; ss.

XX OS Homo sapiens.

XX PN WO931236-A2.

XX PD 24-JUN-1999.

